

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2003P00715WO	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/EP2004/000218	International filing date (<i>day/month/year</i>) 14.01.2004	Priority date (<i>day/month/year</i>) 20.01.2003
International Patent Classification (IPC) or national classification and IPC H04L 12/56		
Applicant SIEMENS AKTIENGESELLSCHAFT		

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of <u>1</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>																									
<p>4. This report contains indications relating to the following items:</p> <table style="margin-left: 20px;"> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>		<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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Date of submission of the demand 26-11-2004	Date of completion of this report 20-07-2005
Name and mailing address of the IPEA/ Facsimile No.	Authorized officer Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/000218

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

- international search (Rule 12.3 and 23.1(b))
- publication of the international application (Rule 12.4)
- international preliminary examination (Rule 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished

the description:
pages 1-14 _____ as originally filed/furnished
pages* _____ received by this Authority on _____
pages* _____ received by this Authority on _____

the claims:
nos. 2-8 _____ as originally filed/furnished
nos.* _____ as amended (together with any statement) under Article 19
nos.* 1 _____ received by this Authority on 26.11.2004 with letter of 23.11.2004
nos.* _____ received by this Authority on _____

the drawings:
sheets 1/1 _____ as originally filed/furnished
sheets* _____ received by this Authority on _____
sheets* _____ received by this Authority on _____

a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

- the description, pages _____
- the claims, nos. _____
- the drawings, sheets/figs _____
- the sequence listing (*specify*): _____
- any table(s) related to sequence listing (*specify*): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- the description, pages _____
- the claims, nos. _____
- the drawings, sheets/figs _____
- the sequence listing (*specify*): _____
- any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/000218

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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1. Statement

Novelty (N) Claims 1-8 _____ YES

Claims _____ NO

Inventive step (IS) Claims 1-8 _____ YES

Claims _____ NO

Industrial applicability (IA) Claims 1-8 _____ YES

Claims _____ NO

2. Citations and explanations (Rule 70.7)

1. Reference is made to the following document:

D1: US 2002/194369 A1 (RAWLINS DIANA ET AL)
 19 December 2002 (2002-12-19).

2. Document D1, considered to be the closest prior art, discloses a method for controlling admission with two different admission checks, the subject matter of claim 1 differing therefrom in that, for every path section, an admission check is carried out for all traffic that enters at the network input node and passes via a respective path section.

Thus, the subject matter of claim 1 is novel (PCT Article 33(2)).

3. The problem addressed by the present invention can consequently be regarded as that of finding a simplified method which eliminates the requirement for complex identification of the output node.

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4. The solution to the above problem, as proposed in claim 1 of the present application, involves an inventive step (PCT Article 33(3)); the reasons are as follows:

document D1 describes a network architecture in which, for a transmission from edge points to edge points, two admission checks are carried out. The second admission check uses a "virtual pool" containing the total available capacity. However, the second admission checks are not carried out for all traffic that enters at the network input nodes since, were that to be the case, the network input node would have to have information concerning the volume of traffic entering at the other network nodes. The admission checks of interest are related to the network input nodes and, in consequence, said checks can all be carried out at entry to the network, the complex identification of the output node being eliminated in particular.

5. The subject matter of independent claim 2 relates to the plurality of interrelated outputs of input nodes (claim 1) and output nodes (claim 2).

6. Claims 3 to 8 are dependent on claims 1 and 2 and, thus, likewise satisfy the requirements of the PCT in respect of novelty and inventive step.

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